Index of Claims

| App | licat | ion/C | ontro | ol No. |
|-----|-------|-------|-------|--------|
|     |       |       |       |        |

Michael C. Wimer

10/084,981

Examiner

Reexamination JANSEN, STEFAN

Applicant(s)/Patent under

Art Unit 2828

Rejected Allowed

(Through numeral) Cancelled Restricted

Non-Elected N Interference

**Appeal** 0 Objected

| Cla     |  | Date                                  |              |          |              |          |              |  |              |                     |
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| Final   | Original   | 90/61/9                               |              |          |              |          |              |  |              |                     |
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|         | 6  | 1                                     |              | <u> </u> | L            |          |              | L  |              |                     |
|         | 7  | 1                                     | _            |          |              |          | Ш            | L  |              |                     |
|         | 8  | 1                                     |              |          |              |          |              |  |              | Щ                   |
|         | 9<br>10  | 1                                     |              |          |              |          |              |  |              | Щ                   |
|         | 10   | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | <u> </u>     |          | _            |          | $\vdash$     | <u> </u>   |              | Н                   |
|         | 13   | N A                                   |              | -        | <u> </u>     |          | H            | <u> </u>   |              |                     |
|         | 12   | ,/                                    | <del> </del> | <u> </u> | ├            | -        | H            | ├-   | ├-           | $\vdash$            |
|         | 14   | 1                                     | _            |          | $\vdash$     |          | <del> </del> | $\vdash$   |              | Н                   |
|         | 11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20 | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | $\vdash$     | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$     | <del>                                     </del> | -            | H                   |
|         | 16   | Ì                                     | _            | $\vdash$ | $\vdash$     | -        | -            | -  |              | H                   |
|         | 17   | 1                                     | _            |          | $\vdash$     |          | $\vdash$     |  |              | H                   |
|         | 18   | 1                                     |              |          |              | $\vdash$ | -            | _  |              | Н                   |
|         | 19   | 1                                     |              |          | $\vdash$     | _        |              |  |              | П                   |
| • • • • | 20   | 1                                     |              |          |              |          | _            |  |              | П                   |
|         | 21   | 1                                     |              |          |              |          |              |  |              | П                   |
|         | 22   | 4                                     |              |          |              |          |              |  |              |                     |
|         | 23<br>24   | 7                                     |              |          |              |          |              |  |              |                     |
|         | 24   | 1                                     |              |          |              |          |              |  |              |                     |
|         | 25<br>26   | 1                                     |              |          |              | L        | L_           | _  |              | Щ                   |
|         | 26   | 1                                     | _            | _        | _            | _        |              | _  | L_           | Ш                   |
|         | 27<br>28<br>29   | 7                                     |              |          |              | <u> </u> | L            | _  |              | Щ                   |
|         | 28   | 7                                     |              |          | _            | <u> </u> |              | _  |              | Н                   |
|         | 30   | ./                                    |              |          | -            | -        | _            |  | _            | Н                   |
|         | 31   | 7                                     |              | -        | $\vdash$     |          | -            |  | _            | Н                   |
|         | 32   | J                                     |              |          | $\vdash$     | -        | -            | _  | _            | Н                   |
|         | 33   | Ì                                     |              |          | -            | -        | -            | -  | -            | Н                   |
|         | 34   | Ì                                     |              |          |              | $\vdash$ |              |  | _            | Н                   |
|         | 32<br>33<br>34<br>35                                     | 1                                     |              |          |              |          |              |  | _            | $\vdash$            |
|         | 36   | 1                                     |              |          |              | ┢        |              |  |              | Н                   |
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|         | 38   |                                       |              |          |              |          |              |  |              |                     |
|         | 39   |                                       |              |          |              |          |              |  |              |                     |
|         | 40   |                                       |              |          |              |          |              |  |              |                     |
|         | 41<br>42   | L_                                    |              | L        |              | <u> </u> |              | L  |              | Ш                   |
|         |  | _                                     |              | L        | _            | <u> </u> | L            |  | <u> </u>     | Ш                   |
|         | 43   | <u> </u>                              |              | <u> </u> | <u> </u>     | <u> </u> | <u> </u>     |  |              | Щ                   |
|         | 44   | <u> </u>                              |              | <u> </u> | _            | <u> </u> | L            | L  | <u> </u>     | Щ                   |
|         | 45   | <u> </u>                              | _            | <u> </u> | <u> </u>     | <u> </u> | <b>-</b>     | $\vdash$   | <u> </u>     | $\sqcup$            |
|         | 46<br>47   | -                                     |              | -        | $\vdash$     | $\vdash$ | $\vdash$     | <u> </u>   | <u> </u>     | $\vdash \vdash$     |
|         | 48   | ├                                     | <del> </del> | ├-       | $\vdash$     | $\vdash$ | $\vdash$     | <u> </u>   | <u> </u>     | Н                   |
|         | 48   | <u> </u>                              | _            | ┢        | <del> </del> |          | H            | <del> </del>                                     | <del> </del> | ${oldsymbol{dash}}$ |
|         | 50   | -                                     | —            |          | $\vdash$     | <b>—</b> | $\vdash$     | -  | <del> </del> | $\vdash \vdash$     |
|         | <u> </u>   | Щ                                     |              | Щ.       | <u> </u>     | Ц        | L            | <u> </u>   | L            | لـــا               |

| E  | Cla      | im  | Date   |              |              |            |              |          |          |          |   |
|--|----------|-----|--|--------------|--------------|------------|--------------|----------|----------|----------|---|
| 51  52    53  3    54  4    55  56    57  58    59  60    61  62    63  64    65  66    67  68    69  70    71  72    73  74    75  76    77  78    79  80    81  82    83  84    85  86    87  88    89  90    91  92    93  94    95  96    96  97    98  99 | اً ''ا   |     | <del>                                     </del> |              |              |            |              |          |          |          |   |
| 53  54    55  56    57  58    59  60    61  62    63  64    65  66    67  68    69  70    71  72    73  74    75  76    77  78    79  80    81  82    83  84    85  86    87  88    89  90    91  92    93  94    95  96    97  98    99                       | Final    |     |  |              |              |            |              |          |          |          |   |
| 53  54    55  56    57  58    59  60    61  62    63  64    65  66    67  68    69  70    71  72    73  74    75  76    77  78    79  80    81  82    83  84    85  86    87  88    89  90    91  92    93  94    95  96    97  98    99                       |          | 51  | $\Box$   |              |              |            |              |          |          |          |   |
| 55  56    57     58     59     60     61     62     63     64     65     66     67     68     69     70     71     72     73     74     75     76     77     78     79     80     81     82     83     86     87     88     89     90     91     92     93     |          | 52  |  | Ш            |              |            | <u> </u>     |          |          |          |   |
| 55  56    57     58     59     60     61     62     63     64     65     66     67     68     69     70     71     72     73     74     75     76     77     78     79     80     81     82     83     86     87     88     89     90     91     92     93     |          | 53  | <u> </u>   | <u> </u>     | <u> </u>     |            | $\vdash$     | _        |          |          | Ш |
| 56  57    58  59    60  61    61  62    63  64    65  66    67  68    69  70    71  72    73  74    75  76    77  78    79  80    81  82    83  84    85  86    87  88    89  90    91  92    93  94    95  96    97  98                                       |          | 54  |  |              | _            |            | ⊢            |          |          |          | Н |
| 57  58    59  60    61  62    63  64    65  66    67  68    69  70    71  72    73  74    75  76    77  78    79  80    81  82    83  84    85  86    87  88    89  90    91  92    93  94    95  96    97  98   |          | 56  |  |              | <u> </u>     |            | H            |          |          |          |   |
| 58  59    60  61    62  63    63  64    65  66    67  68    69  70    71  72    73  74    75  76    77  78    79  80    81  82    83  84    85  86    87  88    89  90    91  92    93  94    95  96    97  98   |          | 57  |  |              |              |            | $\vdash$     |          |          |          |   |
| 60 61 61 62 63 63 64 65 66 66 67 68 68 69 70 70 71 71 72 73 73 74 75 75 76 77 78 78 79 80 81 82 83 84 85 85 86 87 88 89 90 91 91 92 93 94 95 96 97 98 99 99 99 99 99 99 99 99 99 99 99 99  |          | 58  |  |              |              |            |              | _        |          |          | _ |
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| 62<br>63<br>64<br>65<br>66<br>67<br>68<br>69<br>70<br>71<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79<br>80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98<br>99                         |          | 60  |  |              |              |            |              |          |          |          |   |
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| 65 66 67 68 68 69 70 70 71 71 72 73 74 75 76 76 77 78 78 79 80 81 82 83 84 84 85 86 87 88 88 89 90 91 91 92 93 94 95 99 99 99 99 99 99 99 99 99 99 99 99   |          | 63  |  |              |              |            | _            |          |          |          |   |
| 66 67 68 68 69 70 70 71 71 72 73 73 74 75 76 76 77 77 78 78 79 80 81 82 83 84 84 85 86 87 88 88 89 90 90 91 91 92 93 93 94 95 96 97 98 99 99 99 99 99 99 99 99 99 99 99 99   |          | 65  |  | _            | _            |            | -            | <u> </u> | <u> </u> |          | _ |
| 67<br>68<br>69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79<br>80<br>81<br>82<br>83<br>84<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98   |          | 66  | -  | -            | -            |            | -            | -        |          |          | Н |
| 68 69 70 71 71 72 73 74 74 75 76 76 77 77 78 78 79 80 81 82 83 84 85 88 89 90 90 91 91 92 93 94 95 96 97 98 99 99 99 99 99 99 99 99 99 99 99 99  |          | 67  |  |              | $\vdash$     |            | -            | $\vdash$ |          | _        |   |
| 69   |          | 68  |  |              |              |            | _            |          | _        |          | - |
| 70   |          | 69  |  |              | _            |            |              |          |          |          |   |
| 72   |          | 70  |  |              |              |            |              |          |          |          |   |
| 74   |          | 71  |  |              |              |            |              |          |          |          |   |
| 74   |          | 72  |  |              |              |            |              |          |          |          |   |
| 76   |          | 73  | _  |              | _            | _          |              |          |          |          | Щ |
| 76   |          | 75  |  |              |              | _          | L            |          |          |          |   |
| 78   |          | 76  |  |              | <u> </u>     |            | Н            |          | -        |          |   |
| 78   |          | 77  |  |              |              | -          |              |          |          |          |   |
| 79 80 80 81 81 82 83 84 85 86 87 88 89 90 90 91 91 92 93 93 94 95 96 97 98 99 99 99 99 99 99 99 99 99 99 99 99   |          | 78  |  |              |              |            |              |          |          |          |   |
| 81 82 83 84 85 86 87 88 89 90 90 91 91 92 93 93 94 95 96 97 98 99 99   |          | 79  |  |              |              |            |              |          |          |          |   |
| 82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98   |          | 80  |  |              |              |            |              |          |          |          |   |
| 83 84 85 85 86 87 88 89 90 90 91 91 92 93 93 94 95 96 97 98 99 99  |          | 81  |  |              |              |            |              |          |          |          |   |
| 84 85 86 87 88 89 90 90 91 91 92 93 93 94 95 96 97 98 99 99  |          |     |  |              |              |            | <u> </u>     |          |          |          | Щ |
| 85 86 87 88 89 90 90 91 91 92 93 93 94 95 96 97 98 99 99   |          | 83  | ļ  |              | -            |            | _            |          |          |          |   |
| 86 87 88 89 90 90 91 91 92 93 94 95 96 97 98 99 99   |          | 85  |  |              | <u> </u>     |            | ⊢            | $\vdash$ | -        | _        | Н |
| 87 88 9 90 90 91 92 93 94 95 96 97 98 99 99  |          | 86  |  | -            | $\vdash$     |            | $\vdash$     | $\vdash$ |          |          | Н |
| 88 89 90 90 91 91 92 93 94 95 96 97 98 99 99   |          |     |  |              |              |            | $\vdash$     |          |          |          |   |
| 89 90 91 91 92 93 94 95 96 97 98 99 99   |          | 88  | _  |              |              | Г          | _            |          |          |          |   |
| 91 92 93 94 95 96 97 98 99 99  |          | 89  |  |              |              |            |              |          |          |          |   |
| 92 93 93 94 95 96 97 98 99 99 99   |          | 90  |  |              |              |            |              |          |          |          |   |
| 93<br>94<br>95<br>96<br>97<br>98<br>99   |          | 91  |  | $oxed{oxed}$ |              | lacksquare | <u> </u>     |          |          | _        | Ш |
| 94 95 96 97 98 99 99 99  | <u> </u> | 92  |  | <u> </u>     |              | ldash      | <u> </u>     | <u> </u> | _        | <u> </u> | Ш |
| 95 96 97 98 99 99 99 99 99 99 99 99 99 99 99 99  | <b> </b> |     | <u> </u>   | <u> — </u>   | <u> </u>     | <u> </u>   | <del> </del> | <u> </u> | <u> </u> | <u> </u> | Щ |
| 96 97 98 99 99 99 99 99 99 99 99 99 99 99 99   | <u> </u> |     | $\vdash$   | <u> </u>     | <u> </u>     | $\vdash$   |              | $\vdash$ |          | -        | H |
| 97<br>98<br>99   |          |     |  | l            |              | $\vdash$   | -            | -        |          | $\vdash$ | Н |
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| CI    | aim               |          |          |              |          | ) a t    |  |          |          | _        |
|-------|-------------------|----------|----------|--------------|----------|----------|--|----------|----------|----------|
| Claim |                   |          |          |              |          | Date     |  |          | _        | Н        |
| Final | Original          |          |          |              |          |          |  |          | :        |          |
|       | 101               |          |          |              |          |          |  |          |          |          |
|       | 102               |          |          |              |          |          |  |          |          |          |
|       | 102<br>103        |          |          |              |          |          |  |          |          |          |
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|       | 108               |          |          | _            |          | -        |  |          |          | Н        |
|       | 110               |          |          | _            |          | <u> </u> |  |          | -        | Н        |
|       | 111               |          |          |              | _        | _        |  | _        | _        | Н        |
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|       | 114               |          |          |              |          |          |  |          |          |          |
|       | 115               |          |          |              |          |          |  |          |          |          |
|       | 116               |          |          |              |          |          |  |          |          |          |
|       | 117               |          |          |              |          |          |  |          |          | Щ        |
|       | 118               |          |          |              |          |          |  |          |          |          |
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|       | 120               |          |          |              |          | _        | _  | _        |          | Ш        |
|       | 121               |          |          |              |          |          | _  | _        | <u> </u> | $\vdash$ |
|       | 122               |          |          |              |          | _        |  |          | -        | Н        |
|       | 123<br>124        |          |          |              |          |          | -  | _        |          | $\vdash$ |
|       | 125               |          |          |              |          |          |  | _        | _        | Н        |
|       | 125<br>126        |          |          |              |          |          |  |          |          | П        |
|       | 127               |          |          |              |          |          |  |          |          |          |
|       | 127<br>128<br>129 |          |          |              |          |          |  |          |          |          |
|       | 129               |          |          |              |          |          |  |          |          | Ш        |
|       | 130               |          |          |              |          |          |  |          |          | Ш        |
|       | 131               |          |          |              |          |          |  |          |          |          |
|       | 132               |          |          |              |          | _        |  |          |          |          |
|       | 133<br>134        |          |          | _            | _        | _        |  |          | _        | Н        |
|       | 135               |          |          | _            |          |          | H  |          | <u> </u> | -        |
|       | 136               |          |          | ┝            |          | -        | ┢  | -        | _        | Н        |
|       | 137               |          |          |              |          | _        | -  |          |          |          |
|       | 138               |          |          |              |          |          |  |          |          |          |
|       | 139               |          |          |              |          |          |  |          |          |          |
|       | 140               |          |          |              |          |          |  |          |          |          |
|       | 141               |          |          |              |          | <u> </u> |  |          |          |          |
|       | 142               |          |          | _            |          | _        |  |          |          | Щ        |
|       | 143               |          |          | _            |          | _        |  |          |          |          |
|       | 144               | _        | <u> </u> |              |          | _        | <u> </u>   | _        |          | Н        |
|       | 145<br>146        | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$ | <u> </u> | $\vdash$   | $\vdash$ |          | $\vdash$ |
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| _     | 149               | $\vdash$ | ┪        | $\vdash$     |          |          | Н  | H        |          | H        |
|       | 150               | Т        | T        |              |          |          |  | П        |          | П        |
|       |                   | _        | _        |              |          |          | Ь.   |          |          |          |